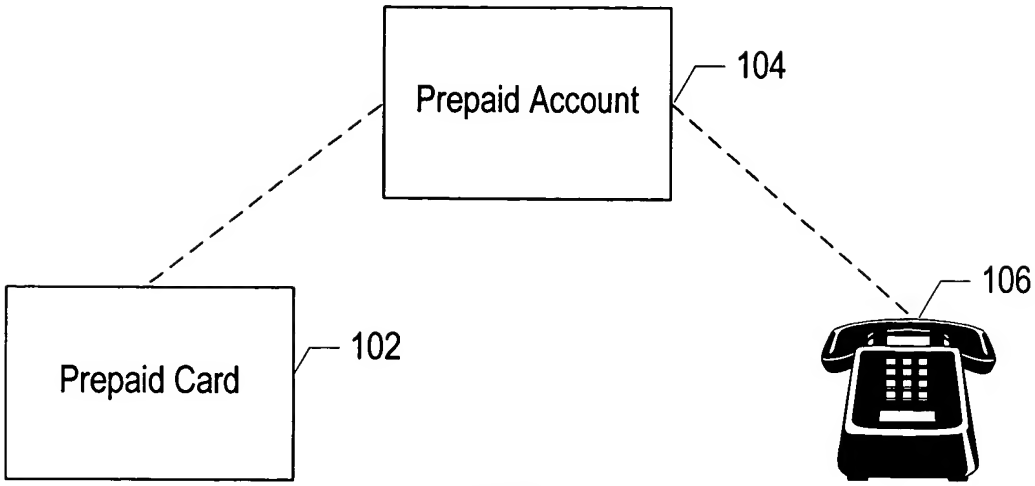


FIG. 1

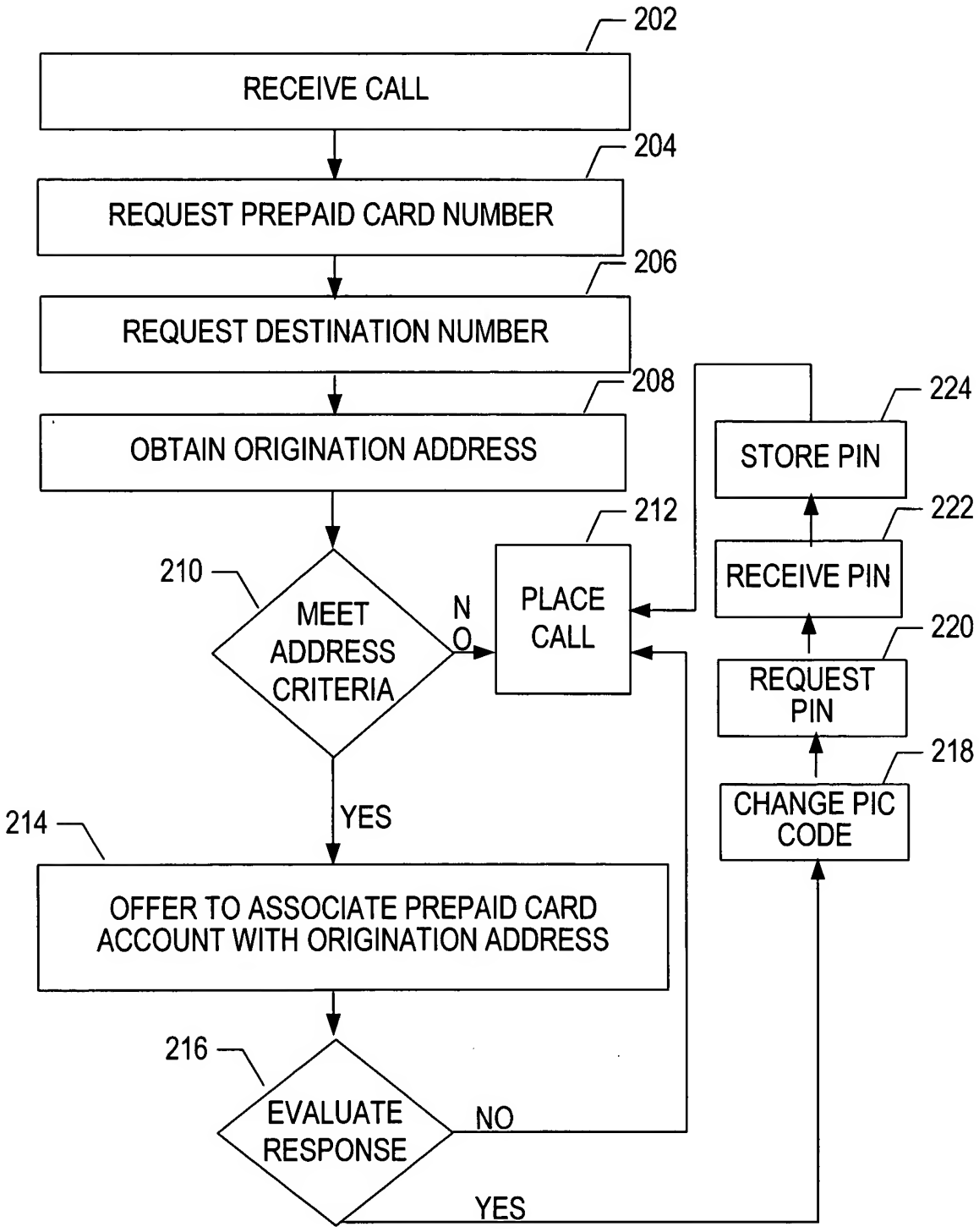

202
RECEIVE CALL
204
REQUEST PREPAID CARD NUMBER
206
REQUEST DESTINATION NUMBER
208
OBTAIN ORIGINATION ADDRESS
210
MEET ADDRESS CRITERIA
NO
212
PLACE CALL
YES
214
OFFER TO ASSOCIATE PREPAID CARD ACCOUNT WITH ORIGINATION ADDRESS
216
EVALUATE RESPONSE
NO
YES
218
CHANGE PIC CODE
220
REQUEST PIN
222
RECEIVE PIN
224
STORE PIN

FIG. 2

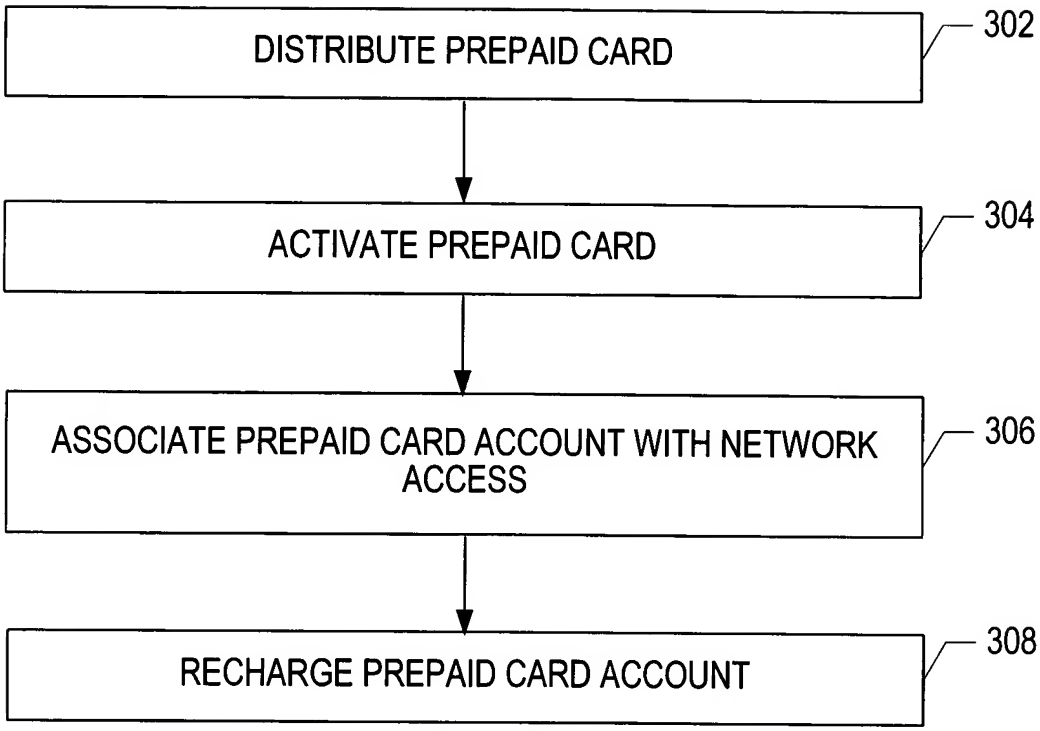

DISTRIBUTE PREPAID CARD
302
ACTIVATE PREPAID CARD
304
ASSOCIATE PREPAID CARD ACCOUNT WITH NETWORK ACCESS
306
RECHARGE PREPAID CARD ACCOUNT
308

FIG. 3

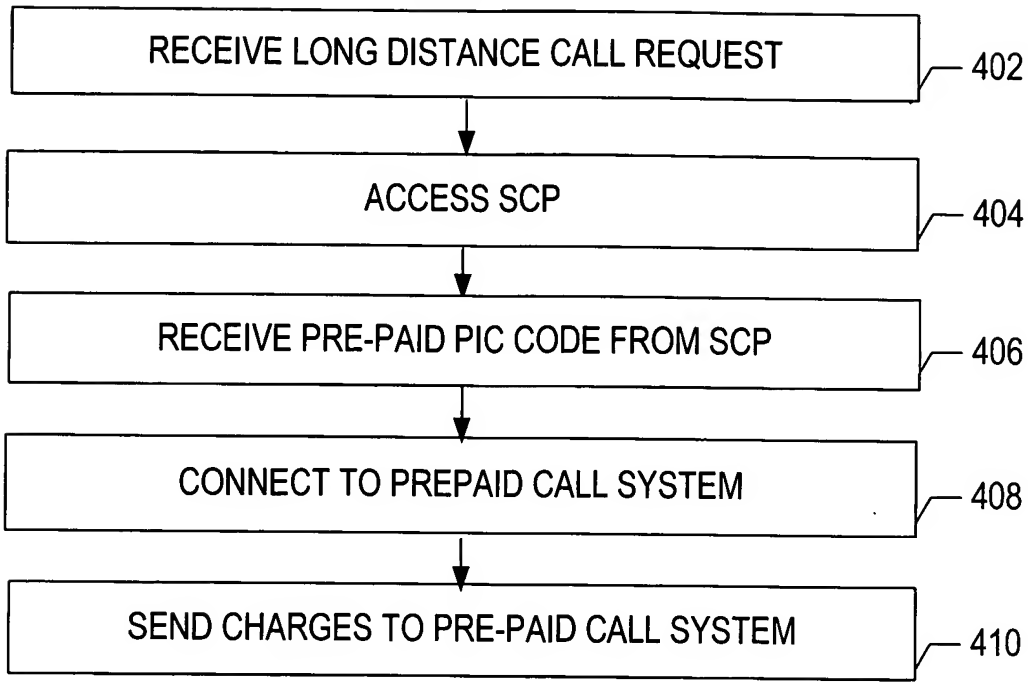

RECEIVE LONG DISTANCE CALL REQUEST
402
ACCESS SCP
404
RECEIVE PRE-PAID PIC CODE FROM SCP
406
CONNECT TO PREPAID CALL SYSTEM
408
SEND CHARGES TO PRE-PAID CALL SYSTEM
410

FIG. 4

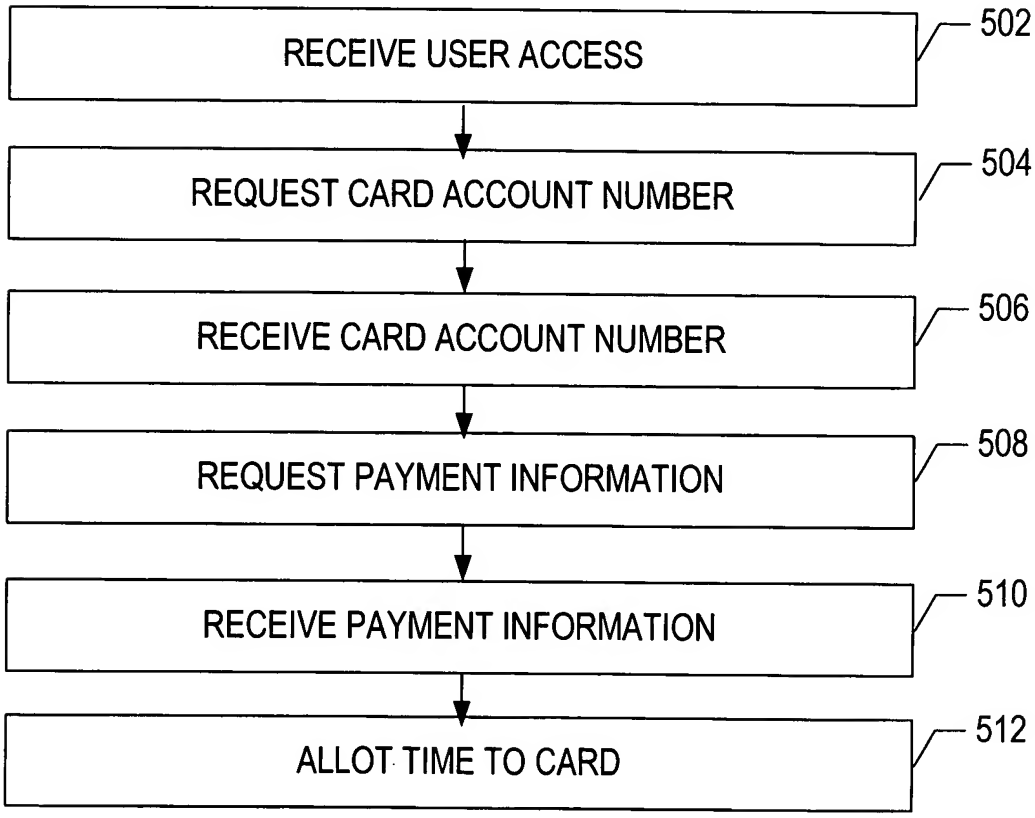

RECEIVE USER ACCESS
502
REQUEST CARD ACCOUNT NUMBER
504
RECEIVE CARD ACCOUNT NUMBER
506
REQUEST PAYMENT INFORMATION
508
RECEIVE PAYMENT INFORMATION
510
ALLOT TIME TO CARD
512

FIG. 5

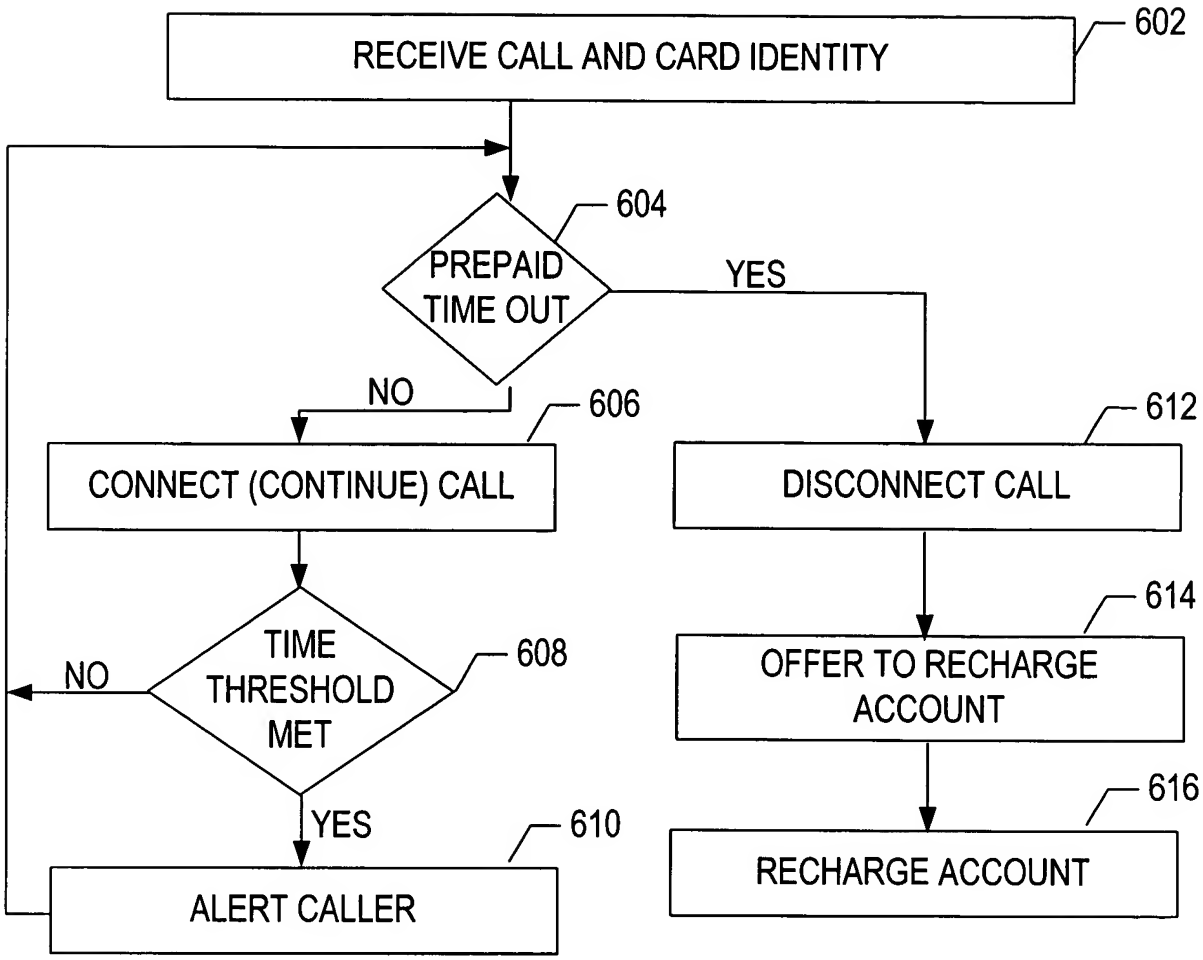

RECEIVE CALL AND CARD IDENTITY
602
604
PREPAID TIME OUT
YES
NO
606
CONNECT (CONTINUE) CALL
612
DISCONNECT CALL
TIME THRESHOLD MET
608
NO
614
OFFER TO RECHARGE ACCOUNT
YES
610
616
ALERT CALLER
RECHARGE ACCOUNT

FIG. 6

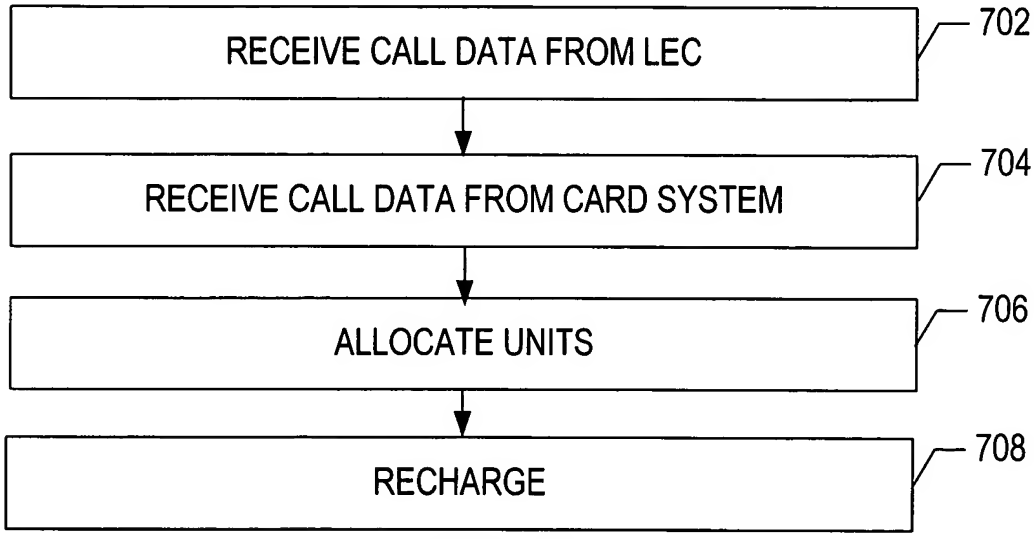

RECEIVE CALL DATA FROM LEC
702
RECEIVE CALL DATA FROM CARD SYSTEM
704
ALLOCATE UNITS
706
RECHARGE
708

FIG. 7

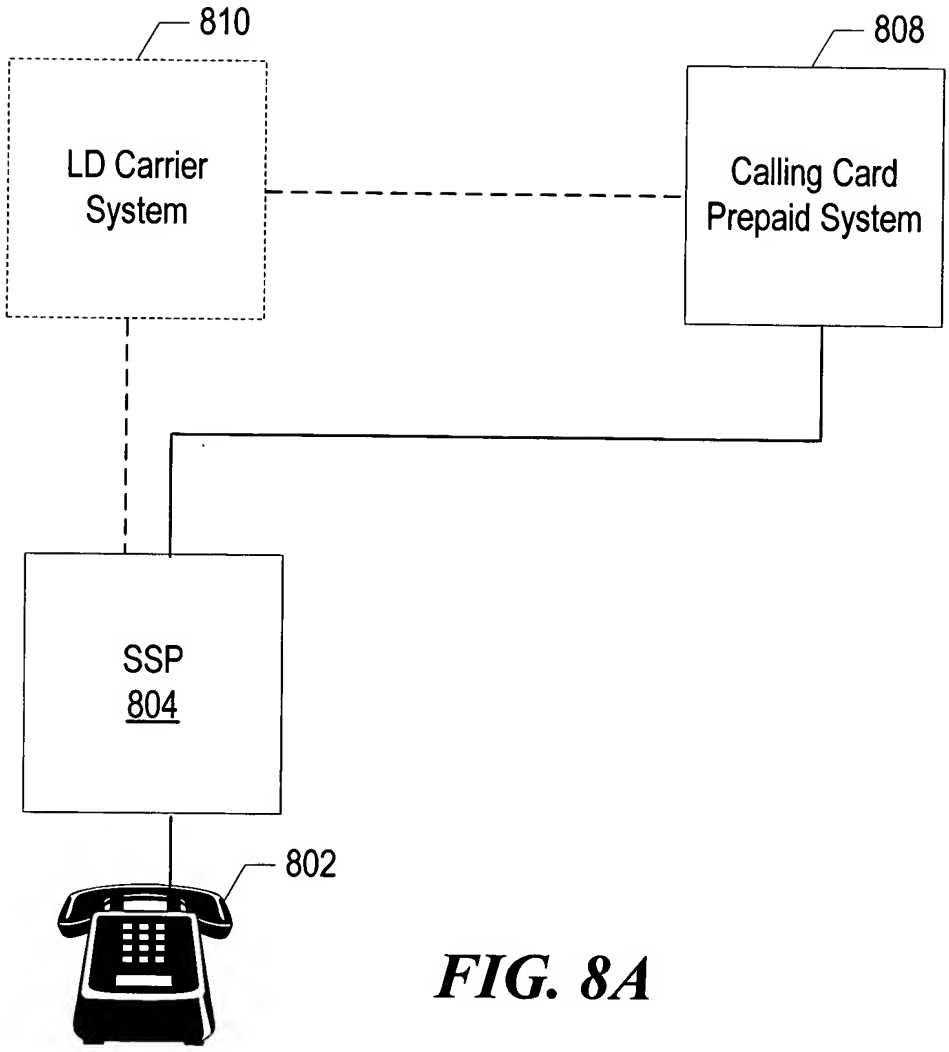
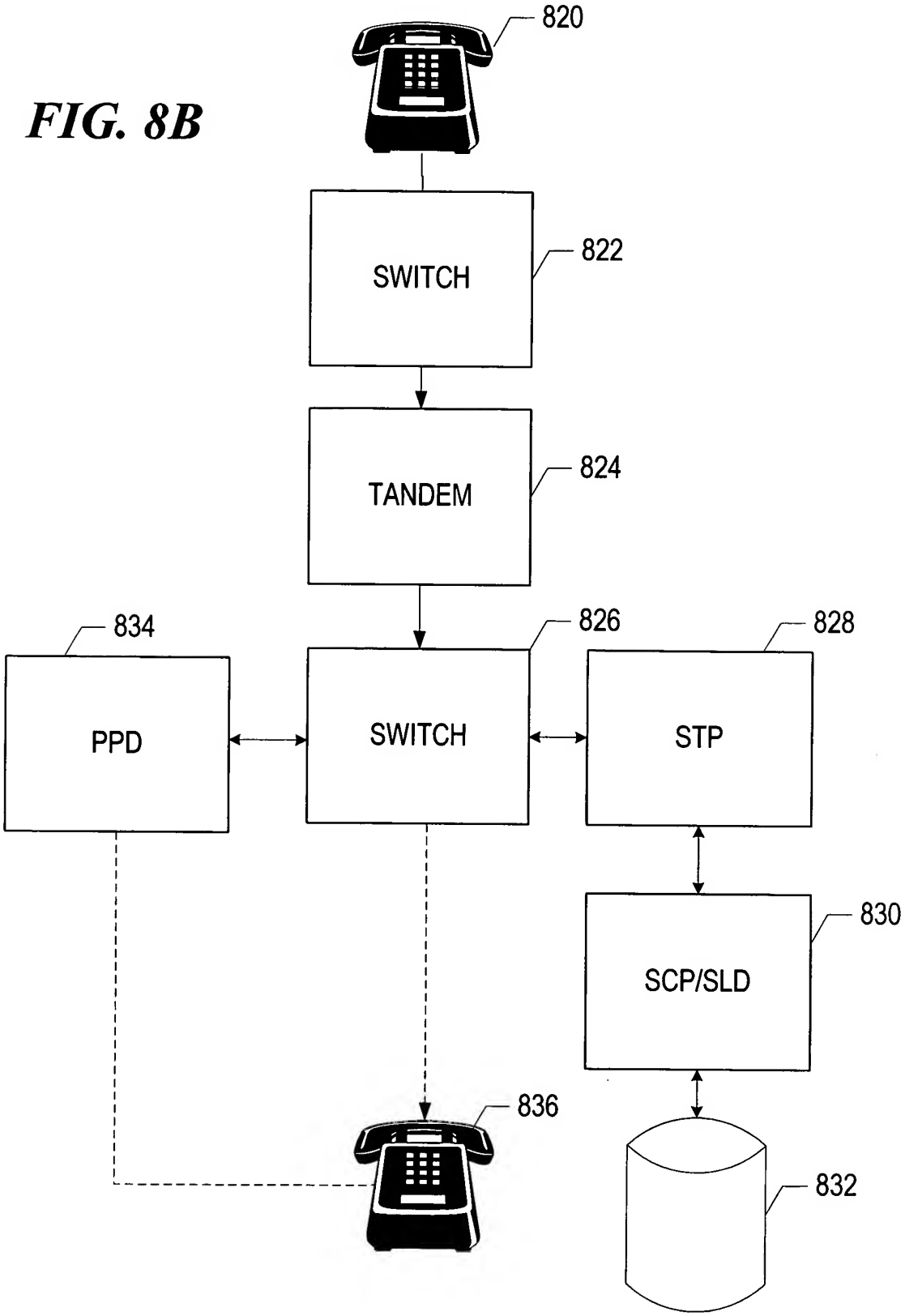

810
808
LD Carrier System
Calling Card Prepaid System
SSP
804
802

FIG. 8A

FIG. 8B


820
SWITCH
822
TANDEM
824
834
826
828
PPD
SWITCH
STP
830
SCP/SLD
836
832

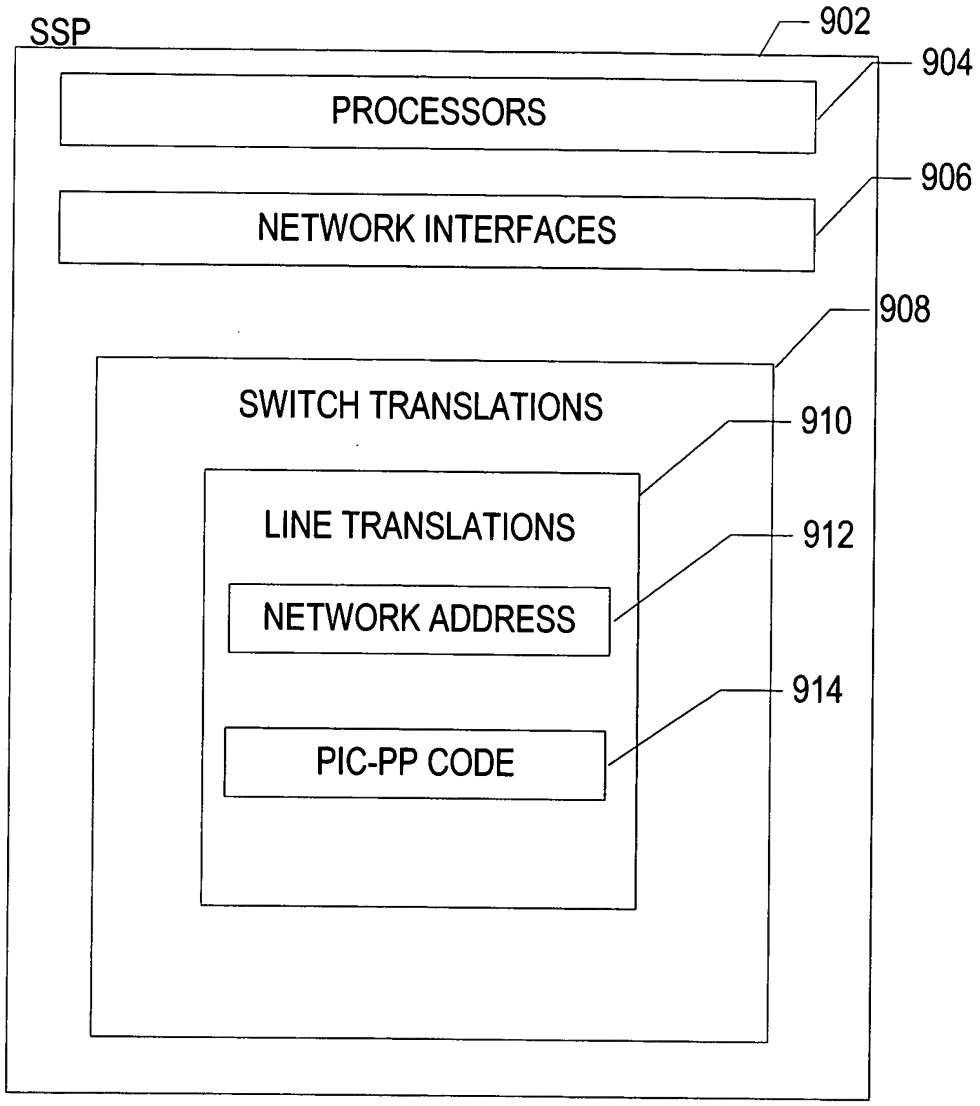

SSP
902
904
PROCESSORS
906
NETWORK INTERFACES
908
SWITCH TRANSLATIONS
910
LINE TRANSLATIONS
912
NETWORK ADDRESS
914
PIC-PP CODE

FIG. 9

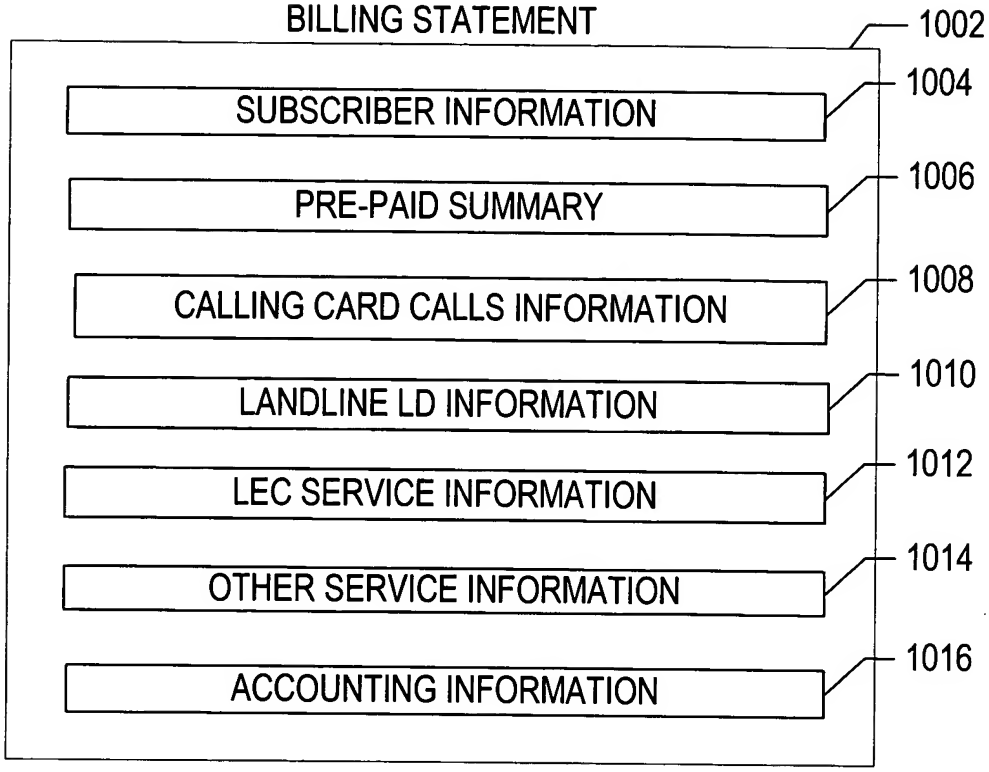

BILLING STATEMENT
1002
SUBSCRIBER INFORMATION
1004
PRE-PAID SUMMARY
1006
CALLING CARD CALLS INFORMATION
1008
LANDLINE LD INFORMATION
1010
LEC SERVICE INFORMATION
1012
OTHER SERVICE INFORMATION
1014
ACCOUNTING INFORMATION
1016

FIG. 10

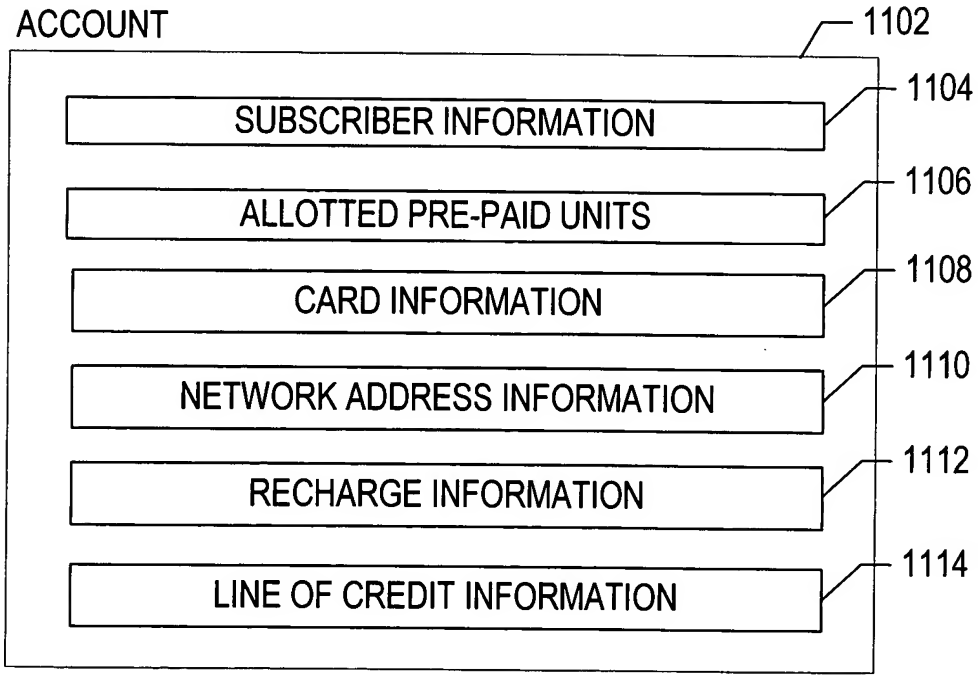

ACCOUNT
1102
SUBSCRIBER INFORMATION
1104
ALLOTTED PRE-PAID UNITS
1106
CARD INFORMATION
1108
NETWORK ADDRESS INFORMATION
1110
RECHARGE INFORMATION
1112
LINE OF CREDIT INFORMATION
1114

FIG. 11